

FIG. 1

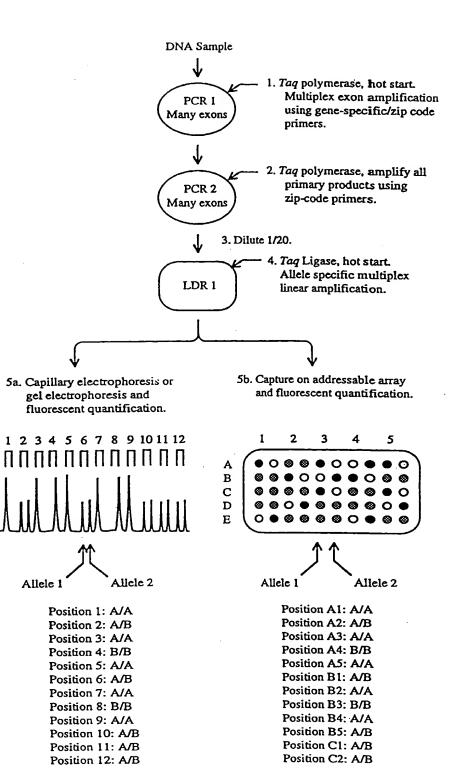


FIG. 2

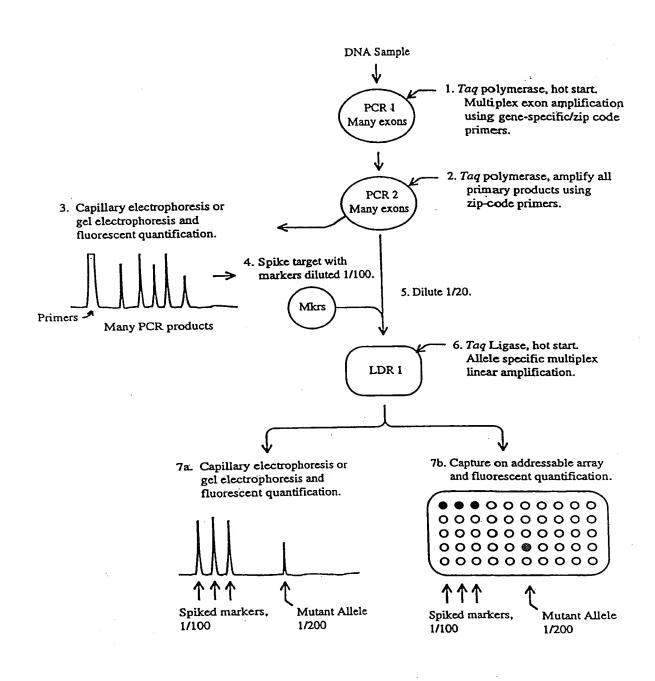


FIG. 3

Tremmon An+4

F3AA

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A or G

PCR/ PCR/ LDR



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T or C

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A or T

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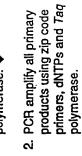
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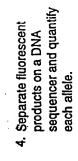


A CAPn

正区

3

or A

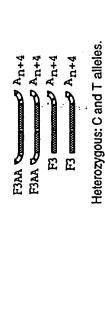


Fl manner An

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A An

Homozygous: T allele only.





PCR/ PCR/ LDR



primers, dNTPs and Tag products using zip code 2. PCR amplify all primary polymerase.

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A.G,C or.T.

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A,G,C or T

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T,C;G, or A

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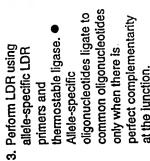
A

T,C,G, or A

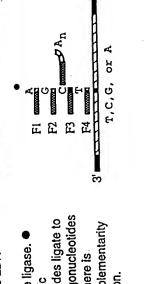
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at the junction.



FIA4 Come Character An+4

Flag C FIA6 FIA2 Com

3

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T,C,G, or

sequencer and quantify each allele. 4. Separate fluorescent products on a DNA



Heterozygous: G and C alleles.

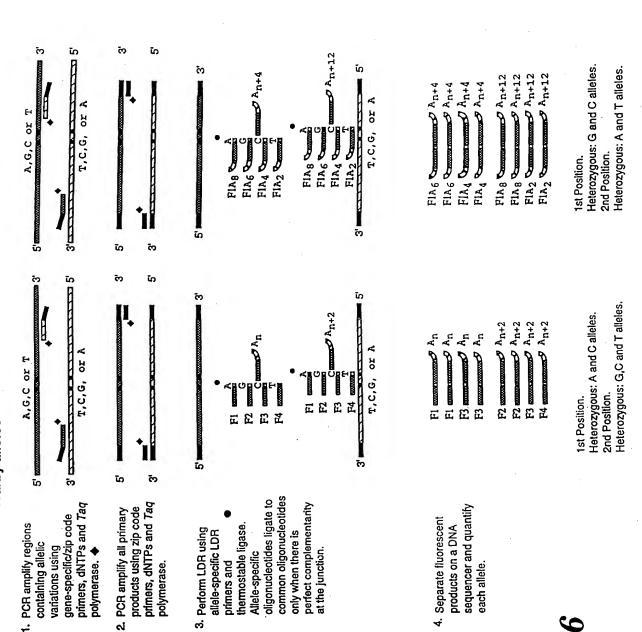
Heterozygous: A and C alleles.

F3 common

E.

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PCR/ PCR/ LDR: Nearby alleles



PCR/ PCR/ LDR: Adjacent alleles, cancer detection

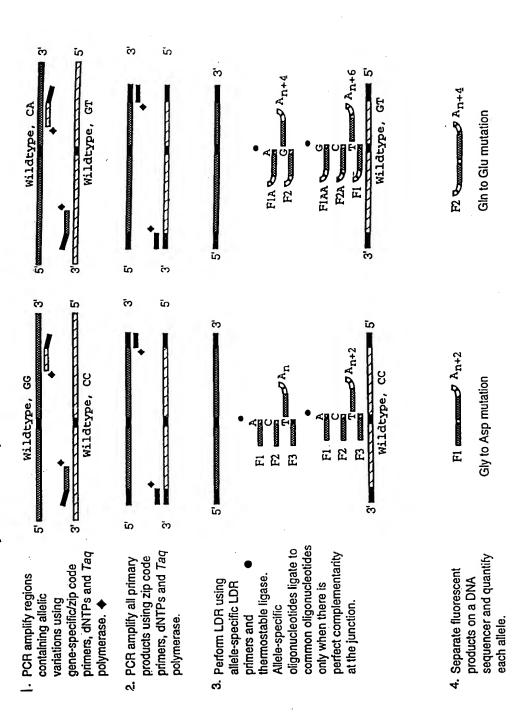


FIG. 7

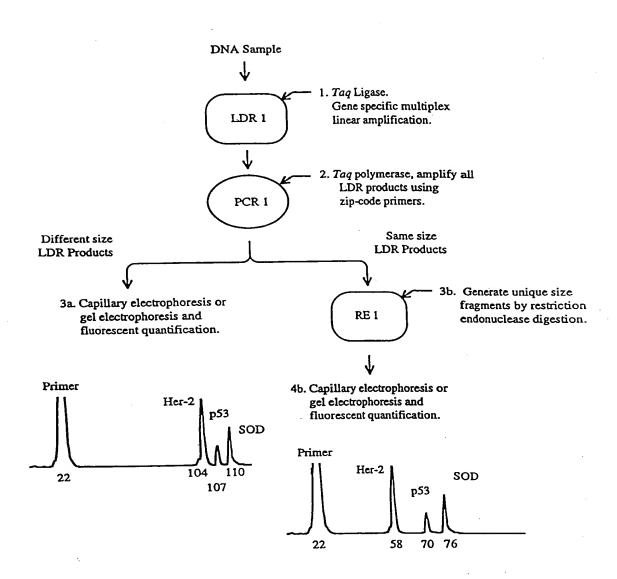


FIG. 8

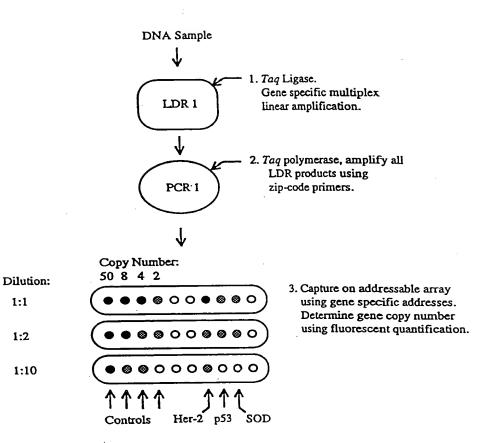


FIG. 9

LDR / PCR: Multiplex detection of gene amplifications and deletions

4.1

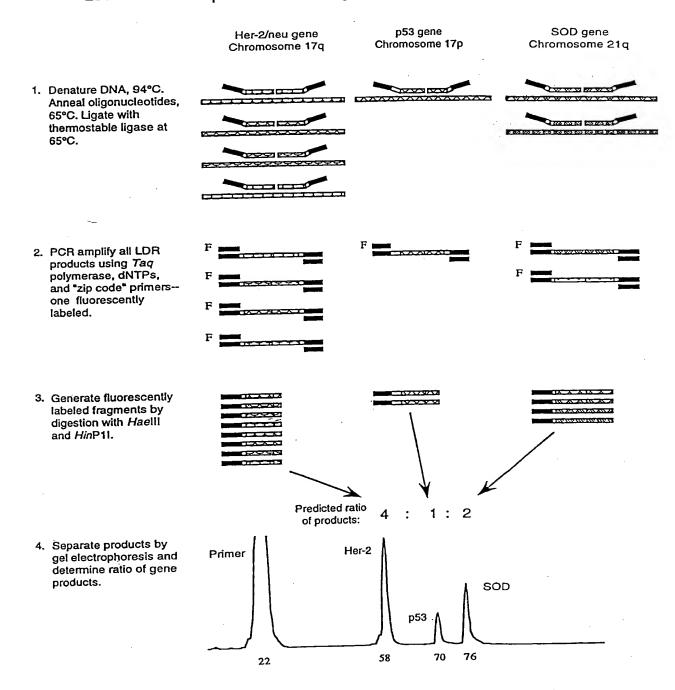


FIG. 10

Allele specific LDR / PCR Problem

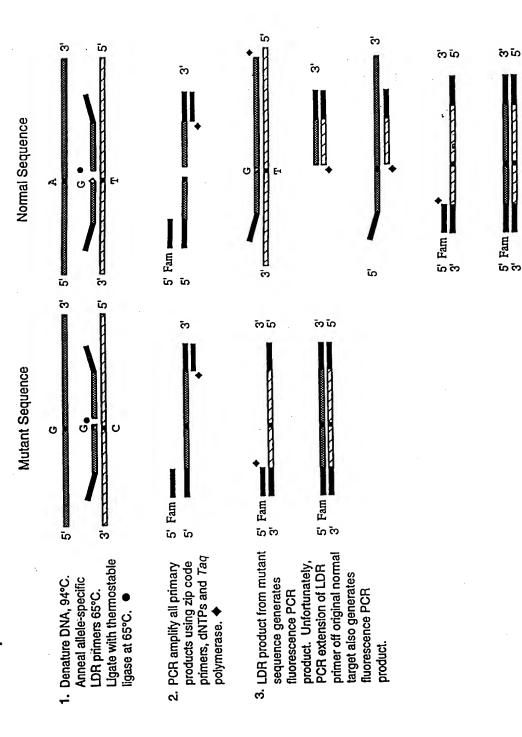
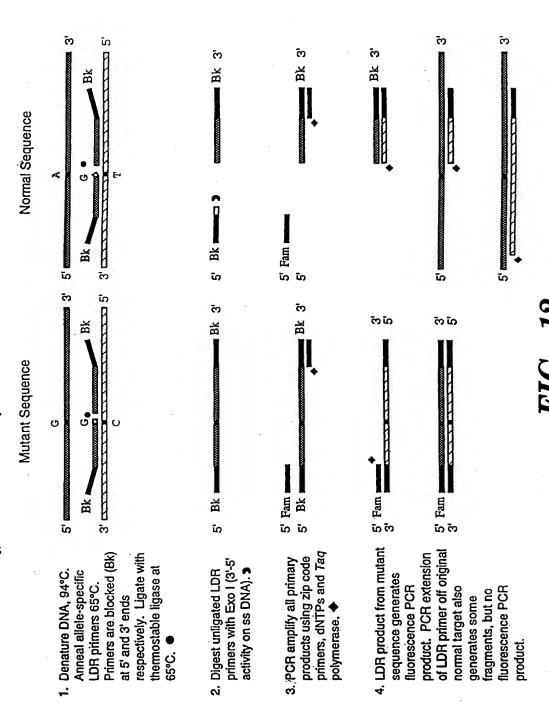


FIG. 11

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Solution to allele specific LDR / PCR problem



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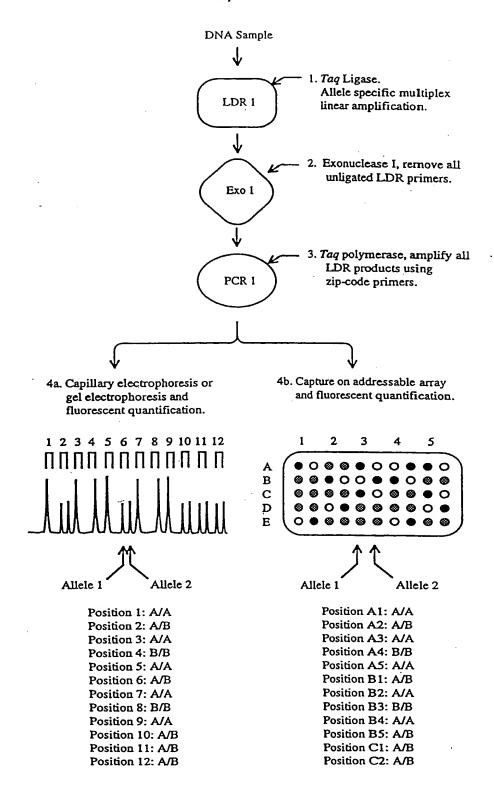


FIG. 13

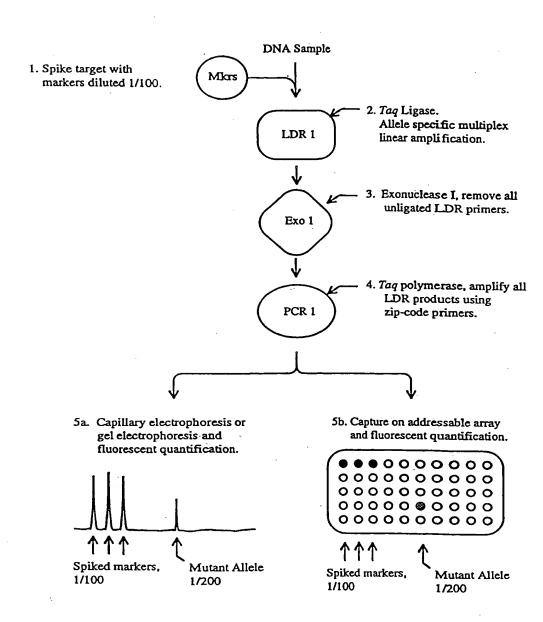
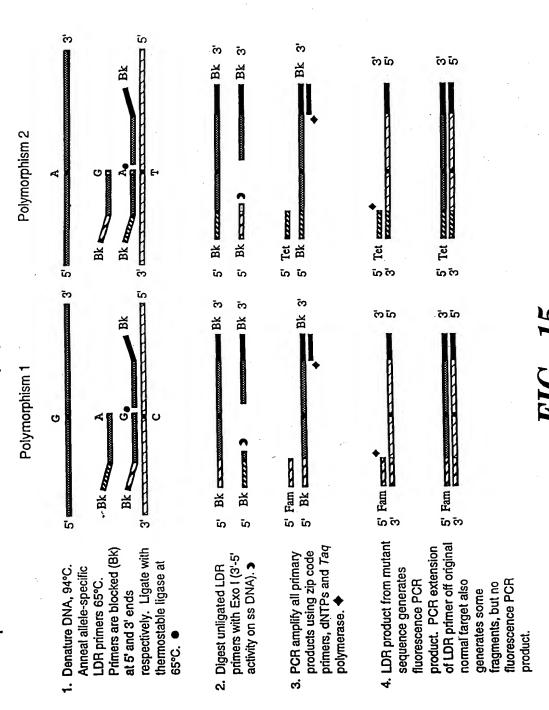


FIG. 14

Allele specific LDR / PCR for mutations or polymorphisms



LDR / PCR of mononucleotide repeats using exonuclease selection

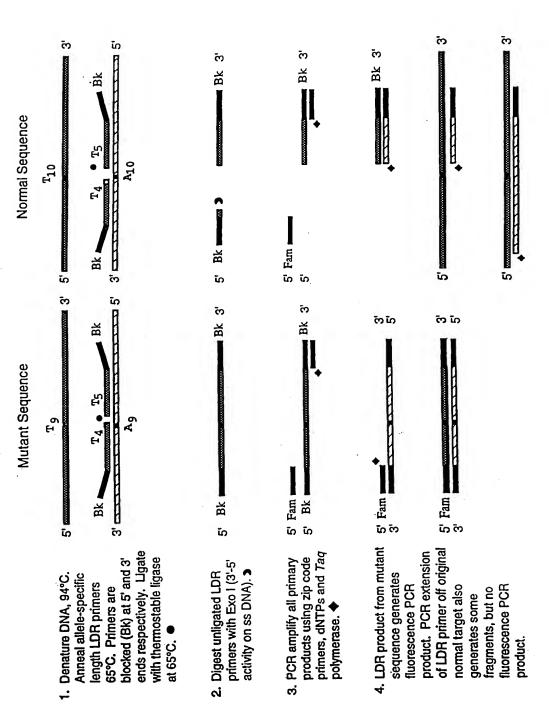
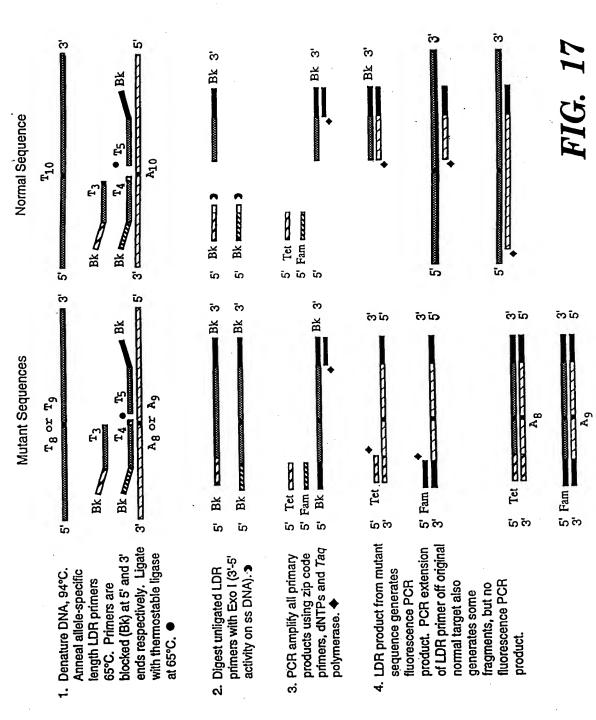


FIG. 16

LDR / PCR of mononucleotide repeat polymorphisms using exonuclease selection



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DNA Sample

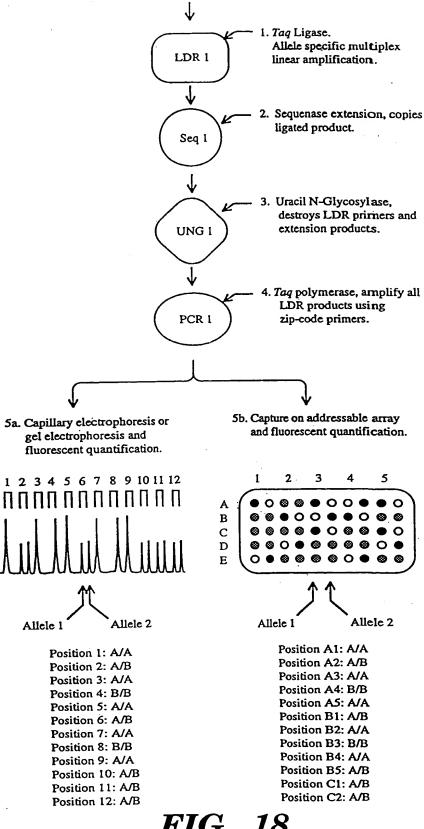


FIG. 18

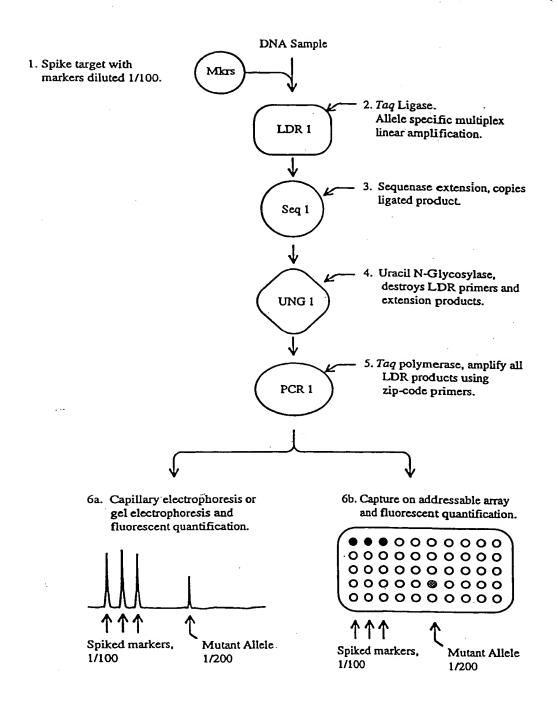
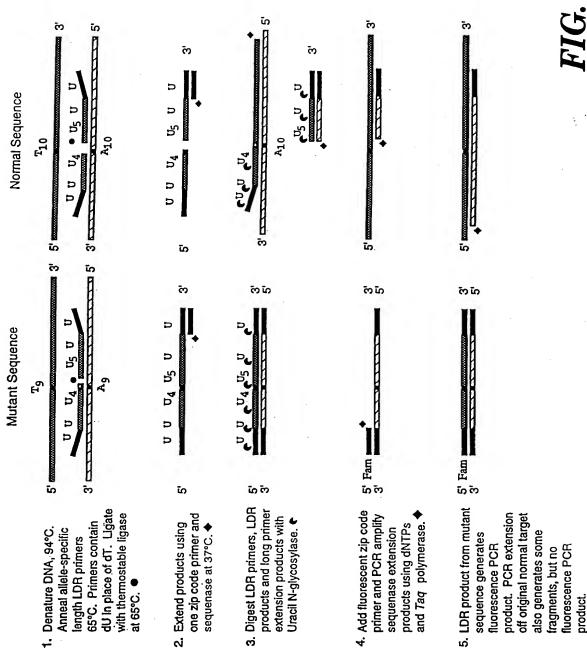


FIG. 19

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LDR / PCR of mononucleotide repeats using Uracil N-glycosylase selection



LDR / PCR of mononucleotide repeat polymorphisms using Uracil N-glycosylase selection

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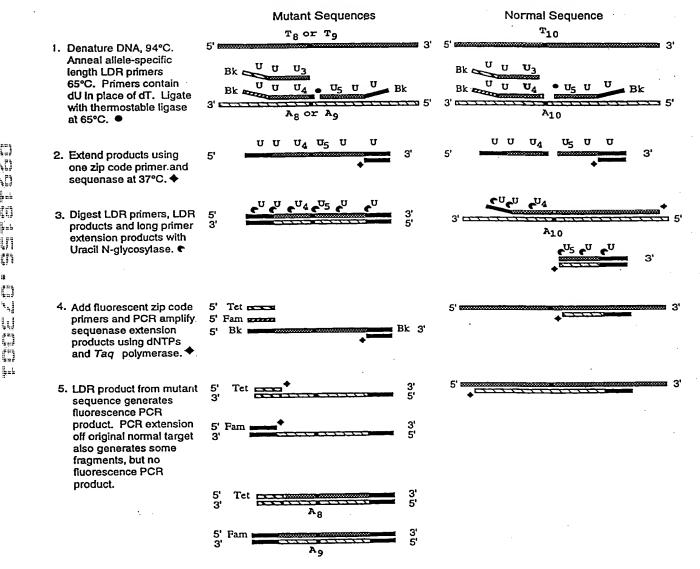


FIG. 21

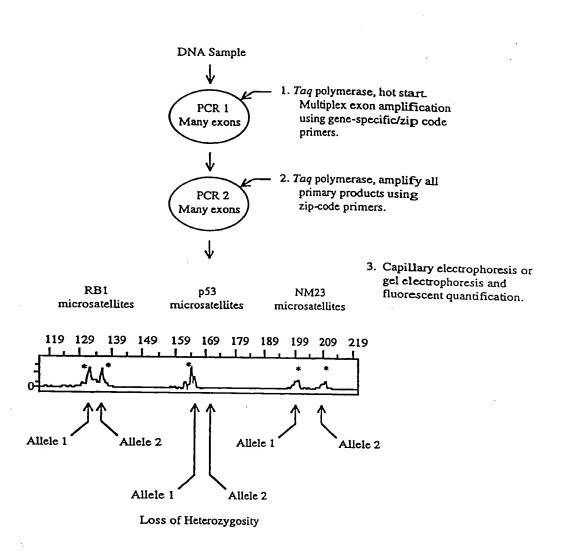
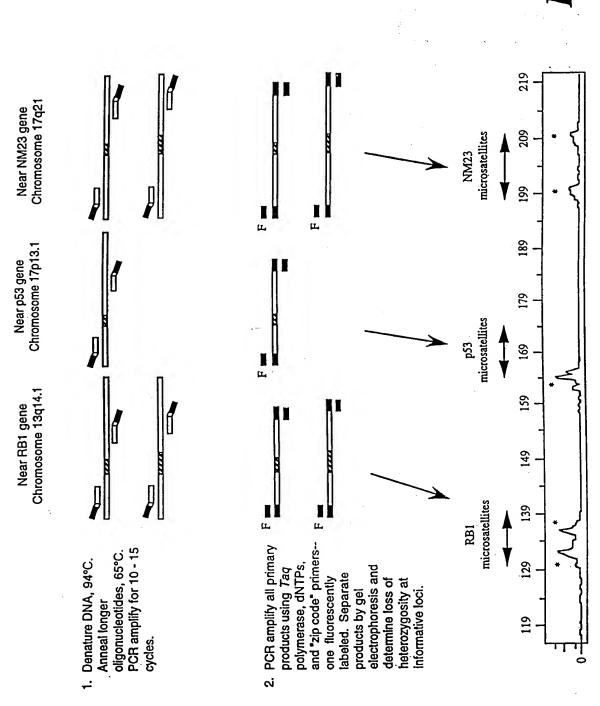


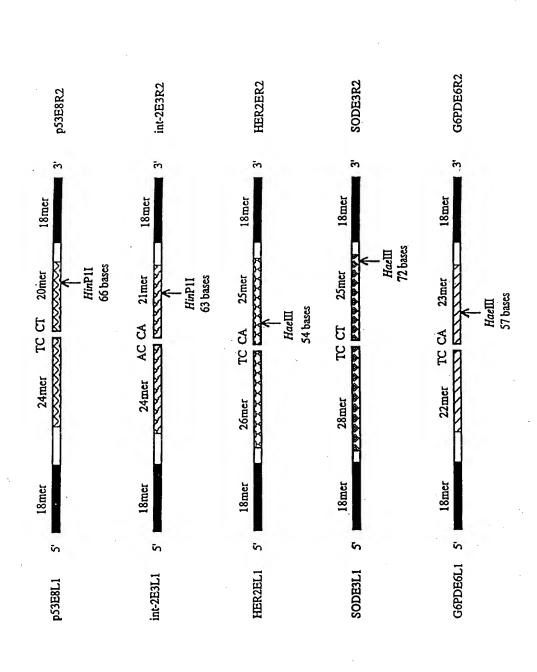
FIG. 22

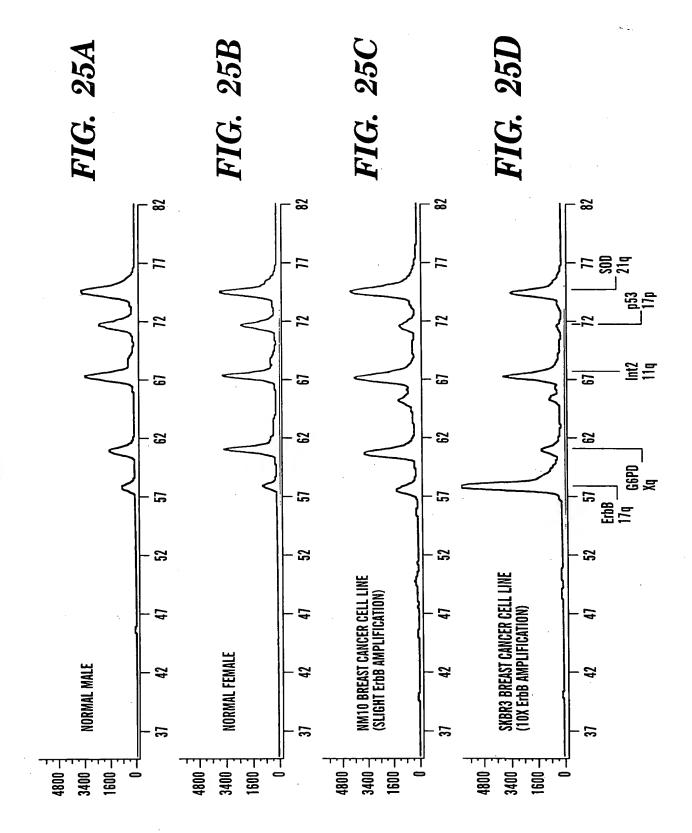
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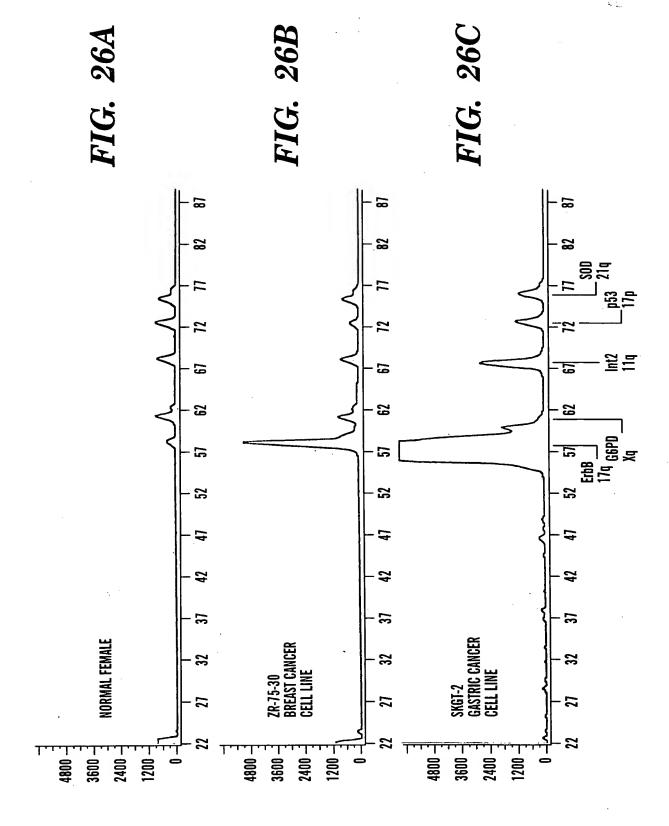
Primer design for multiplex LDR / PCR

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